MIDLAND STANDARD ENGINEERING & TESTING, INC.

BORING LOG

SHEET 1 OF 1

PROJECT Algonquin Bypass — Retaining Wall - IL. Route 31 — DATE 3/17/09
ROUTE FAP 339/ILL 31 — BORED BY CD
SECTION 96-00209-00-PV — STATION 89+00 to 94+00 — CHECKED BY WJW
COUNTY McHenry
BORING RW-66
STATION 89+75
OFFSET 23' L of CL
WATER LEVEL DURING DRILLING none
GROUND WATER AT COMPLETION dry

Depth	N/6"	Qu tsf	W %
GROUND SURFACE EL. 744.6			
12-1/4" Bituminous Concrete over 6-3/4" Crushed Limestone Base Course			
Dark Brown and Grey Silty Clay LOAM, A-6: FILL 743.0	6 7 6	2.05 BS	13
Brown Silty Clay LOAM, A-6 742.1	3 4 4	1.32 B	16
5	2 5 6	2.67 BS	14
thin, wet Sand seam			
Grey Clay LOAM A-6 732.6	6 8 11	2.05 BS	11
10	7 7 9	3.68 BS	13
15	8 9 10	4.73 BS	11
	9 10 10	3.99 BS	11
20	7 9 15	7.52 BS	10
Grey Clay LOAM A-6 724.6			
End of Boring @ 25.0' 719.6			
25	8 9 14	3.49 BS	11
	7 9 12	6.78 BS	10

N-Standard Penetration Test- Blows per foot to drive 2 inch O.D. Split Spoon Sampler 12 inches with 140 lbs. hammer falling 30 inches

Qu- Unconfined Compressive Strength (tsf) W- Water Content-percentage of oven dry weight (%)

Type failure: B- Bulge Failure S- Shear Failure E- Estimated Value P-Penetrometer

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BORING LOG

SHEET 1 OF 1

PROJECT Algonquin Bypass — Retaining Wall - IL. Route 31 — DATE 3/17/09
ROUTE FAP 339/ILL 31 — BORED BY CD
SECTION 96-00209-00-PV — STATION 89+00 to 94+00 — CHECKED BY WJW
COUNTY McHenry
BORING RW-67
STATION 90+80
OFFSET 23' L of CL
WATER LEVEL DURING DRILLING 5.0'
GROUND WATER AT COMPLETION 6.1'

Depth	N/6"	Qu tsf	W %
GROUND SURFACE EL. 746.8			
13" Bituminous Concrete over 8" Crushed Limestone Base Course			
Brown Silty Clay LOAM, A-6 745.0	6 5 5	2.5 P	18
few thin, wet Sand seams	6 5 3	1.74 B	14
5			
Brown SAND and GRAVEL, A-1 741.8	5 6 6	-	12
Brown Clay LOAM, A-6 737.8	9 10 12	3.72 B	14
10			
Grey	6 8 11	3.5 P	13
15	8 10 15	6.98 BS	11
	7 11 15	5.12 BS	12
20	8 12 14	3.06 B	12
Brown Clay LOAM, A-6 726.8			
End of Boring @ 25.0' 721.8			
25	8 10 12	3.76 B	13
	7 9 11	2.33 BS	13

N-Standard Penetration Test- Blows per foot to drive 2 inch O.D. Split Spoon Sampler 12 inches with 140 lbs. hammer falling 30 inches

Qu- Unconfined Compressive Strength (tsf) W- Water Content-percentage of oven dry weight (%)

Type failure: B- Bulge Failure S- Shear Failure E- Estimated Value P-Penetrometer

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BORING LOG

SHEET 1 OF 1

PROJECT Algonquin Bypass — Retaining Wall - IL. Route 31 — DATE 3/16/09
ROUTE FAP 339/ILL 31 — BORED BY CD
SECTION 96-00209-00-PV — STATION 89+00 to 94+00 — CHECKED BY WJW
COUNTY McHenry
BORING RW-68
STATION 91+60
OFFSET 23' L of CL
WATER LEVEL DURING DRILLING none
GROUND WATER AT COMPLETION dry

Depth	N/6"	Qu tsf	W %
GROUND SURFACE EL. 748.2			
12-1/2" Bituminous Concrete over 6-1/2" Crushed Limestone Base Course			
Brown and Dark Grey SAND and GRAVEL, A-1: FILL 746.6	4 3 2	-	12
Brown Silty Clay LOAM, A-6 746.2			
intermittent thin, wet Sand seams	3 3 3	1.67 B	14
5			
Brown-Grey Clay LOAM, A-6 740.2	4 7 9	1.82 B	13
10	5 8 11	2.87 BS	12
	5 9 12	3.80 BS	10
15	7 10 12	3.37 BS	11
Grey	10 10 13	2.98 BS	11
20	9 11 13	4.34 BS	9
Brown-Grey Clay LOAM, A-6 728.2			
End of Boring @ 25.0' 723.2			
25	7 9 11	4.88 BS	12
	6 7 9	2.79 BS	13

N-Standard Penetration Test- Blows per foot to drive 2 inch O.D. Split Spoon Sampler 12 inches with 140 lbs. hammer falling 30 inches

Qu- Unconfined Compressive Strength (tsf) W- Water Content-percentage of oven dry weight (%)

Type failure: B- Bulge Failure S- Shear Failure E- Estimated Value P-Penetrometer

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DRAWN	-	M. LANGE
DESIGNED	-	M. LANGE
CHECKED	-	G. HATLESTAD
DATE	-	5/3/2012

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS I
WALL A; IL RTE 31
STRUCTURE NO. 056-2507
SHEET NO. WA8 OF WA9 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	592
		CONTRACT NO. 60F72		
	ILLINOIS FED. AID PROJECT			